

# SAN DIEGO DX CLUB BULLETIN



Sept 2006



Cover Photo: 1296 MHz Moonbounce 30 foot dish, located on the Southwestern Colorado property of SDDXC member Bruce Clark K0YW Story inside!!!



Join us at  
The SIZZLER, Aero Drive & Murphy Canyon Rd  
Wednesday Sept. 27, 2006  
Dinner, 6:00 P.M. - Meeting, 7:00 P.M  
WRTC 2006 by Terry N6CW.



## **2005/06Officers**

### **President:**

**Paul Dorey WN6K**

(760) 726-5301

WN6K@cts.com

### **Vice President:**

**Bob Grimmick N6OX**

(949)573-1070

n6ox@yahoo.com

### **Secretary/Treasurer:**

**Harry Hodges, W6YOO**

(760) 743-4212

w6yoo@cox.net

### **Past President:**

## TREASURER'S REPORT

August 31, 2006



Balance as of Jul 31, 2006: \$1,956.52  
Income: None  
Expenses:  
DX Summer Bash: 200.00  
TOTAL: 200.00

Balance as of Aug 31, 2006: \$1,756.52  
Petty Cash: 20.00  
Total Checking/Perry Cash: \$1,776.52

## MEETING MINUTES

### August 23, 2006

The San Diego DX Club held its regular meeting on Wednesday, August 23, 2006 at the Sizzler Restaurant, Aero Drive and Murphy Canyon Road. The meeting was called to order by the Club President, Paul Dorey, WN6K. There were 29 members and guests present. Our guest was introduced by Gayle Olson, K6GO a club board member.

The latest BPL information was discussed and it appears that the next test will be in the Clairemont area of San Diego.

Joe Hypnarowski, W6VNR stated that he would be willing to fill and alternate delegate spot to represent the club at SANDARC meetings.

Bruce, N7TY outlined how members could update their DX standings at the club's web page.

It was announced that there would be a pizza meeting to hold a clinic for the upcoming ARRL sweepstakes contests.

Mike Lebo, N6IEF discussed plans for the HAM station at the upcoming ARRL convention.

During the DX Roundtable Bob Grimmick, N6OX talked about the recent expedition to Montenegro and operating with the 4O3T team. Tom, N6JOJ announced that he is the final countdown to retirement. Ron, N6XT talked about permit problems to get his towers up in Valley Center, and Howard, KY6LA talked about the need for volunteers for the Miramar Air Show. Past President Jim, W6YI talked about participation in the recent NA QSO party

## PROGRAM

The evening's program was an informal presentation of various logging programs. Several club members brought in lap tops with their favorite programs installed and explained them in sort of a county fair set up where members could move about and observe the programs in use.

## ADJOURNMENT:

There being no further business, the meeting was adjourned at 9:00 p.m.

Respectfully submitted,  
HARRY A. HODGES, W6YOO  
Secretary/Treasurer

**NOTE:** The Treasurer will begin collecting 2007 dues on October 1, 2006. Please consider signing up for multiple years. Also consider bringing in a new member. Membership: 78



Bruce and Patti named their place  
'Jawbone Ranch' – something to  
do with having a lot to say



**SW Division Convention!**

**Sept 22-24th**

**Mission Valley Marriott**

**Check the Web site for further information:**

<http://www.sandarc-conv2006.org/>

# A VISIT TO THE “COLORADO DIVISION” OF THE SAN DIEGO DX CLUB

By Jim, K6ZH

*(with comments from Bruce added and edited in)*



Bruce & Patti designed their own home, a.k.a. the Jawbone Ranch, on the highest point of a gorgeous 160 acre parcel of land about 3 miles east of Ignacio. It's a lovely home with a well appointed ham shack. And nearby is Bruce's fabulous collection of restored "boat anchor" receivers. There's something in there for any of us more "senior" hams – from a Collins 75A4 to a Hammerlund SuperPro! Adjacent to the house is a large (I mean large) garage / workshop. Bruce keeps himself very busy with a zillion projects in there. The K0YW antennas are, I think one would say, very competitive in the DX and contest world – four very tall towers with everything from 160 meters to 2 meters. AND there's a 30 foot dish in the backyard – used for chasing 1296 MHz moonbounce! Bruce has about 60 countries worked on this mode – one of the highest totals in the world. He has also worked a LOT of stuff on 6 meters – grids and countries. With 11 elements at 100 feet, it's easy to understand why K0YW is one of the first signals we hear when 6 meters opens between So. Cal. and Colorado!

His dish is actually 9.2 meters or 30 feet. It weighs 2800 lbs, without the counterweights or feed supports. Its forward gain on 1296 Mhz is 43.5 dbi with a 3db Beamwidth of 0.75 degrees. To keep all the electrons from getting lost, He uses Andrew 1 5/8" Helix to feed it. To keep it on the Moon, he uses an automatic tracking system with Absolute Digital encoders to read out the dish position. They are 12 bit units from US Digital that resolve better than 0.1 degree. He has currently worked 172 different stations in 61 countries (Confirmed QSO's!).

There are currently 3 towers up with a fourth under construction. They are:

First tower is a 140 foot Rohn #55 guyed at four levels with steel and Phillystran. On top is a full sized 4 element OWA- 50 ohm direct fed yagi for 40M. The tower also holds up a dipole on 75/80M and a 30M dipole. The entire structure is a top loaded 160M vertical with 24 elevated radials that slope from 35' on the tower to 12' at their ends.

Tower #2 is a 90 ft Rohn #55 VHF tower with a 52 ft 6M 11 el yagi and a 55 ft long 2 meter 29 el yagi above it. A ring rotor for the 6 meter yagi's "Stack-mate" sits 33' below it. This tower also holds a 4 stack of W4OP Parr circular dipoles in a 6 db gain omni-array.

The third tower is a "Geezertower", a US Tower 89' HBDX-589 with a DX-Eng 36 ft boom 13 el log-periodic on it and 6M 6el yagi plus a Hygain V2 for 2M FM on 144.415! ( Why change a GOOD THING?)

Tower #4 is another 140" Rohn #55. It will have a pair of 5 el 20M OWA fed yagi's and a pair of 6 el 15 M OWA's as well as 4 5el N6ND 24 ft 10M yagi's for the sunspots. Two will be on rings and two will be pointed at EU. Antenna switching will be by a Micro Ham 2X12 matrix switch driven from my Micro-ham keyer via USB bus.

Rigs currently consist of a Kenwood TS 850Sat with IR CW filters and an Elecraft K2. Amps are a Ten-tec Titan with HD power supply and my old trusty Gates YHFL 1000- 4CX1500B amp, plus 8877 amps on 6 and 2. 1296 is driven by a Kenwood TS-2000 which also handles the 6 and 2 meter chores. The 1296 rig is a much modified DEM transverter driving a 30 watt Mitsu MOS Module which drives a water cooled Russian GS-15B tetrode tube in a KD5FZX at 450 Watts output.

His goal is to have a flexible contest station with capacity to support SO, SO2 and Multi single/ Multi 2 operations. The QTH plays well. He has placed high in a number of contests, winning Colorado and even winning the Rocky Mtn division. He really need some "hired guns" with lead in their pants to really do well. Any volunteers?





The home of Bruce (K0YW) and Patti Clark, on the highest point of a 160 acre parcel east of Ignacio, Colorado



One of K0YW's 6 meter beams at 100 feet, plus a 13-element log periodic to cover the WARC bands (and others)



K0YW's full-sized 40 meter beam on a 140 foot tower



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San Diego Dx Club Bulletin  
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